

WEST

## Freeform Search

Database: US Patents Full-Text Database ▲  
US Pre-Grant Publication Full-Text Database  
JPO Abstracts Database  
EPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins ▼

Term: L5 with antibody ▲  
▼

Display: 50 Documents in Display Format: - Starting with Number 1

Generate: ☐ Hit List ☒ Hit Count ☐ Side by Side ☐ Image

Search

Clear

Help

Logout

Interrupt

Main Menu

Show S Numbers

Edit S Numbers

Preferences

Cases

## Search History

DATE: Thursday, September 19, 2002 [Printable Copy](#) [Create Case](#)

Set Name Query  
side by side

Hit Count Set Name  
result set

DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ

<u>L6</u>	L5 with antibody	12	<u>L6</u>
<u>L5</u>	L1 with (cellulose binding domain or CBD)	61	<u>L5</u>
<u>L4</u>	L1 with antibody	6591	<u>L4</u>
<u>L3</u>	L1 same antibody	9426	<u>L3</u>
<u>L2</u>	L1 same (cellulose binding domain or CBD)	73	<u>L2</u>
<u>L1</u>	fusion protein	21077	<u>L1</u>

END OF SEARCH HISTORY

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Print

L6: Entry 10 of 12

File: USPT

Feb 17, 1998

DOCUMENT-IDENTIFIER: US 5719044 A

TITLE: Cellulose binding domain fusion proteins

Detailed Description Text (3):

Thus, for example, bodily fluids can be tested for the presence of particular antibodies (e.g., heat shock protein (HSP) antibody) by making use of a CBD and an HSP epitope. Conversely, an HSP protein, a cross-reactive HSP-related protein, or antigenic portions thereof can be detected using a CBD-HSP antibody fusion protein.

Detailed Description Text (46):

This invention also relates to diagnostic detection of proteins of interest in test samples, especially in biological samples, such as tissue extracts or biological fluids, such as serum or urine through use of the CBD fusion protein of the present invention. The biological samples are preferably of mammalian origin and most preferably of human origin. A preferred protein of interest to be detected in a mammalian biological sample is an HSP protein, an HSP antibody, cross-reactive HSP-related proteins, or antigenic portions thereof. The presence of the HSP antibody in a mammalian biological sample, for example, may be predictive or indicative of insulin-dependent diabetes mellitus (IDDM). In one embodiment of the present invention, the CBD Protein A fusion protein is comprised of a third protein, an IgG antibody, for example, IgG anti-HSP, which is used to detect the presence of an antigen, for example HSP, in biological samples using a variety of immunoassay formats well known in the art. Alternatively, the second protein of the CBD fusion protein is comprised of an antigenic determinant, an epitope, useful in the detection of antibodies that recognize the antigenic determinant. A preferred epitope is the HSP protein.

Detailed Description Text (48):

In the present invention, Protein A is a preferred second protein of a CBD fusion protein. A CBD-Protein A fusion protein has utility in diagnostic immunoassays that detect the presence of or measure the quantity or concentration of an antibody or an antibody-antigen complex.

Detailed Description Text (49):

A CBD-Protein A fusion protein of the present invention also has utility in a diagnostic kit comprised of cellulose and a CBD-fusion protein wherein the CBD fusion protein component retains its ability to bind both cellulose and IgG of a second component, for example, an antibody-antigen complex or an antibody. The CBD fusion protein of the present invention also has utility as a means for affinity purification of antibodies or antigenic determinants, i.e. epitopes. A preferred antigenic determinant of the present invention is the HSP protein, related protein or antigenic portion thereof. Preferred second proteins of a CBD fusion protein include HSP protein or anti-HSP IgG. In the present invention, CBD-HSP epitope fusion proteins find utility in immunoassays designed to measure quantities of HSP antibody found in the serum of human mammals.

## CLAIMS:

4. The CBD fusion protein of claim 1 in which said second protein is a recombinant antibody.
9. The CBD fusion protein of claim 1, in which the second protein is an HSP antibody.

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Search Results - Record(s) 1 through 12 of 12 returned.

☐ 1. Document ID: US 20020019324 A1

L6: Entry 1 of 12

File: PGPB

Feb 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020019324

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020019324 A1

TITLE: Method of treating fabrics

PUBLICATION-DATE: February 14, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Howell, Steven	Sharnbrook		GB	
Little, Julie	Sharnbrook		GB	
Van Der Logt, Cornelis Paul	Vlaardingen		NL	
Parry, Neil James	Sharnbrook		GB	

US-CL-CURRENT: [510/305](#); [510/302](#), [510/306](#), [510/392](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 2. Document ID: US 20010039250 A1

L6: Entry 2 of 12

File: PGPB

Nov 8, 2001

PGPUB-DOCUMENT-NUMBER: 20010039250

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010039250 A1

TITLE: Method of delivering a benefit agent

PUBLICATION-DATE: November 8, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Howell, Steven	Sharnbrook		GB	
Little, Julie	Sharnbrook		GB	
Van Der Logt, Cornelis Paul	Vlaardingen		NL	
Parry, Neil James	Sharnbrook		GB	

US-CL-CURRENT: [510/130](#); [510/305](#), [510/306](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 3. Document ID: US 20010036911 A1

L6: Entry 3 of 12

File: PGPB

Nov 1, 2001

PGPUB-DOCUMENT-NUMBER: 20010036911  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20010036911 A1

TITLE: Detergent compositions comprising benefit agents

PUBLICATION-DATE: November 1, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Davis, Paul James	Sharnbrook		GB	
Parry, Neil James	Sharnbrook		GB	

US-CL-CURRENT: [510/392](#); [510/530](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw Desc	Image
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☐ 4. Document ID: US 20010034314 A1

L6: Entry 4 of 12

File: PGPB

Oct 25, 2001

PGPUB-DOCUMENT-NUMBER: 20010034314  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20010034314 A1

TITLE: Method of treating fabrics and apparatus used therein

PUBLICATION-DATE: October 25, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hemmington, Sandra	Sharnbrook		GB	
Howell, Steven	Sharnbrook		GB	
Little, Julie	Sharnbrook		GB	
Van Der Logt, Cornelis Paul	Vlaardingen		NL	
Parry, Neil James	Sharnbrook		GB	
Smith, Richard George	Bebington Wirral		GB	

US-CL-CURRENT: [510/305](#); [510/306](#); [510/392](#); [510/530](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw Desc	Image
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☐ 5. Document ID: US 20010014466 A1

L6: Entry 5 of 12

File: PGPB

Aug 16, 2001

PGPUB-DOCUMENT-NUMBER: 20010014466  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20010014466 A1

TITLE: Methods for separating particulate substrates from solution while minimizing particle loss

PUBLICATION-DATE: August 16, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Lubenow, Helge	Koln		DE	
Steinert, Kerstin	Langenfeld		DE	
Fabis, Roland	Haan		DE	
Ribbe, Joachim	Dusseldorf		DE	
Emmerlich, Melanie	Hilden		DE	

US-CL-CURRENT: [435/91.1](#); [435/7.5](#), [436/518](#), [536/25.4](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 6. Document ID: US 6331416 B1

L6: Entry 6 of 12

File: USPT

Dec 18, 2001

US-PAT-NO: 6331416

DOCUMENT-IDENTIFIER: US 6331416 B1

TITLE: Process of expressing and isolating recombinant proteins and recombinant protein products from plants, plant derived tissues or cultured plant cells

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 7. Document ID: US 5856201 A

L6: Entry 7 of 12

File: USPT

Jan 5, 1999

US-PAT-NO: 5856201

DOCUMENT-IDENTIFIER: US 5856201 A

TITLE: Methods of detection using a cellulose binding domain fusion product

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 8. Document ID: US 5837814 A

L6: Entry 8 of 12

File: USPT

Nov 17, 1998

US-PAT-NO: 5837814

DOCUMENT-IDENTIFIER: US 5837814 A

TITLE: Cellulose binding domain proteins

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 9. Document ID: US 5738984 A

L6: Entry 9 of 12

File: USPT

Apr 14, 1998

US-PAT-NO: 5738984

DOCUMENT-IDENTIFIER: US 5738984 A

TITLE: Kits and methods of detection using cellulose binding domain fusion proteins

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 10. Document ID: US 5719044 A

L6: Entry 10 of 12

File: USPT

Feb 17, 1998

US-PAT-NO: 5719044

DOCUMENT-IDENTIFIER: US 5719044 A

TITLE: Cellulose binding domain fusion proteins

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 11. Document ID: US 5670623 A

L6: Entry 11 of 12

File: USPT

Sep 23, 1997

US-PAT-NO: 5670623

DOCUMENT-IDENTIFIER: US 5670623 A

TITLE: Methods of use of cellulose binding domain proteins

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 12. Document ID: US 5496934 A

L6: Entry 12 of 12

File: USPT

Mar 5, 1996

US-PAT-NO: 5496934

DOCUMENT-IDENTIFIER: US 5496934 A

TITLE: Nucleic acids encoding a cellulose binding domain

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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Generate Collection

Print

Terms

Documents

L5 with antibody

12

Display Format:

-

Change Format

[Previous Page](#)

[Next Page](#)